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TouchTunes

FRU Installation Guide
Replacing Angelina's Computer

Purpose

This document explains how to replace an Angelina jukebox computer using the Angelina Computer Field Replacement Unit (FRU) kit, the Fusion Music System and Legacy OS2 Kits.

Audience

- TouchTunes Angelina jukebox operators
- TouchTunes Field Service and Customer Support
- TouchTunes Sales personnel

Estimated Time

15 minutes

Required Personnel

1 Technician

This document includes tasks of the following types:

☐	Software
☑	Electrical
☑	Mechanical

Topics

- Required Tools and Equipment
- Important Safety Information
- Included in This Kit
- Installing New Computer
- Contacting Technical Support

Required Tools and Equipment

- Screw driver, Phillips #2

NOTE	For warranty returns, place the defective unit into the packaging/container from which you remove the replacement unit. Do not open the defective unit. Doing so voids its warranty. You must obtain a valid Return Authorization (RA) number from TouchTunes before shipping a defective unit.

Important Safety Information

WARNING

When performing this procedure or any other maintenance on your jukebox, the jukebox must be powered off and its electrical power disconnected.

CAUTION

Danger of explosion if battery is incorrectly replaced.

Replace only with the same or equivalent type.

NOTE	Opening the unit to replace a defective battery voids the warranty of the unit.

Included in This Kit

Ensure that you have received all the required parts before proceeding with this installation.

Part	Quantity	TouchTunes Part #
FAS, SCR, X-PAN, M4x8, ZN	4	200020-008
MAN, FRU, COMPUTER (this document)	1	901047-001

Installing New Computer

1. Press the **MNGR** button on the I/O Board to open the Operator interface main menu.
2. On the Angelina screen, press the **REBOOT** button.
3. When you hear the BIOS beep, power down Angelina by setting the rocker switch on the Power Supply Unit (PSU) to the OFF (**O**) position.

WARNING: Never shut down or unplug Angelina without first performing a reboot and waiting for the BIOS beep. Doing so can cause damage to the hard drive and make it unusable.

4. Unplug the AC power cable from the wall socket.
5. Remove all connections from the computer (DVI MON, HDMI Visualizer, LAN, and so on).
6. Remove the hard drive. Unscrew the thumb screw on the drive's tray until its spring pops it out. Then, pull the hard drive straight out and set it aside for later.

7. Using a Phillips screwdriver, remove the 4 screws that connect the computer to the Modular Hardware Platform and set them aside.

Figure 1: Removing computer screws

8. Place one hand under the unit and the other on top, and then gently pull the computer from the Modular Hardware Platform.

Figure 2: Removing the computer

9. Align the hard drive enclosure with its slot on the left-side under-panel of the replacement computer. The hard drive enclosure cannot be inserted in its slot until it is properly aligned.
10. Insert the hard drive enclosure in the slot and then gently push the enclosure in until it is completely seated.
11. Using your fingers, push in and then tighten the thumb screw (clockwise) on the hard drive tray until the thumb screw is **securely** tightened.

CAUTION: Using a screwdriver applies significantly more torque than hand-tightening. Do **not** over-tighten.

WARNING: Do not, under any circumstances, attempt to force the wrong type of hard drive into the HD slot of the Angelina computer. By doing so, you risk serious damage to the hard drive and the computer.

12. Test whether the hard drive is firmly seated by pulling out firmly on the handle of the hard drive tray. The hard drive is secured properly when:
    - The thumb screw is completely compressed and covered by the cowl head of the thumbs screw, that is, the spring is not visible.
    - There is no gap between the edge of the hard drive tray and the computer.
    - There is no play between the hard drive and the computer when you pull outward on the handle of the hard drive tray.
      If you detect any play in the hard drive tray, using a slot-head screwdriver, tighten the thumb screw firmly into the computer and test again until no play is detected.
13. Gently slide the replacement unit onto the Modular Hardware Platform and then push into place.
14. Replace and tighten the 4 screws removed earlier.
15. Replace all connections removed at the beginning of this procedure.
16. Reconnect the AC power cord and power on Angelina.
17. Verify that Angelina boots successfully to the customer interface.

You have now completed the replacement of the Angelina computer.

Contacting Technical Support

If you need help or have questions about this guide, call the TouchTunes 24/7 Service Hotline at 888-338-5853.

To help us assist you more effectively with problem reports, the following information may be required when contacting TouchTunes support:

- Jukebox model and ID
- Operator ID
- Serial number of the component you believe to be defective
- Date/time of the problem
- Actions performed immediately before the problem occurred
- Any additional comments relevant to the problem

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